Re: FW: Portland Harbor BSAF

Elizabeth Allen to: Lavelle, James

09/02/2011 08:18 AM

Cc: Burt Shephard, Chip Humphrey, Kristine Koch, "Penoyar, Susan", "Peterson, Lance", Jennifer L Peterson, POULSEN Mike, "sherrie@ridolfi.com"

A couple of thoughts on this. It's not unexpected behavior, I'm wondering if it would be relevant to see a plot of BSAF vs sediment concentration? How does the range of implied values presented here compare with the values used in the food-web model? How well is the model predicting as sediment concentrations decrease? It may create a situation where as sediment concentrations decrease, tissue concentrations would not show the degree of decrease we'd be expecting...

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"Lavelle, James" BSAF estimates by RM for non-normalized and... 09/01/2011 10:53:35 AM

From: "Lavelle, James" <LavelleJM@cdm.com>

To: POULSEN Mike <POULSEN.Mike@deq.state.or.us>, Jennifer L Peterson

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Date: 09/01/2011 10:53 AM Subject: FW: Portland Harbor BSAF

BSAF estimates by RM for non-normalized and normalized data (pdf). Perhaps we can discuss next week. My initial observations:

- Normalized BSAFs for PCB look pretty consistent and for the most part vary by a factor of two or three I'd judge that range as suggesting low variability.
- The general profile (peaks and valleys) for DDx and PCBs is similar I'm not sure how to interpret this observation, but I would think it's a positive sign.
- DDE is a problem; DDx is much better behaved.
- BSAF variability seems to be the biggest problem for use of DDE PRG to develop RALs and the issue is really focused on RM 7.5, west bank and downstream.

Do we want to discuss on Tuesday, noonish?

From: King, Todd

Sent: Wednesday, August 31, 2011 7:11 PM

To: Lavelle, James

Subject: Portland Harbor BSAF

Graph, output for numerical reference, program for logic check.

## Additional interim results provided on request!

ΤK

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[attachment "PortlandHarborSMBBSAFs.pdf" deleted by Elizabeth Allen/R10/USEPA/US] [attachment "BSAFresults.txt" deleted by Elizabeth Allen/R10/USEPA/US] [attachment "SMBbsafDDxPCB.R" deleted by Elizabeth Allen/R10/USEPA/US]